

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=8; day=27; hr=11; min=24; sec=19; ms=896;]

=====

Application No: 10567233 Version No: 1.0

Input Set:

Output Set:

Started: 2008-08-23 06:07:41.011
Finished: 2008-08-23 06:07:42.299
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 288 ms
Total Warnings: 28
Total Errors: 0
No. of SeqIDs Defined: 28
Actual SeqID Count: 28

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

Input Set:

Output Set:

Started: 2008-08-23 06:07:41.011
Finished: 2008-08-23 06:07:42.299
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 288 ms
Total Warnings: 28
Total Errors: 0
No. of SeqIDs Defined: 28
Actual SeqID Count: 28

Error code	Error Description
	This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> Maki, Wusi C
Whitaker, Sterling R
Gambles, Jody W
Branen, Joshua
Bitterwolf, Thomas E
Branen, Alfred L

<120> Molecular Detector

<130> C12-IRF-2005003

<140> 10567233
<141> 2008-08-23

<150> PCT/US2004/025062
<151> 2004-08-02

<160> 28

<170> PatentIn version 3.4

<210> 1
<211> 77
<212> DNA
<213> Artificial

<220>

<223> T7-A30

<400> 1

ccgaattcta gggtaatacg actcactata gggAACAAAA aaaaaaaaaa aaaaaaaaaa 60

aaaaatgcag gaaagag 77

<210> 2
<211> 20
<212> DNA
<213> Artificial

<220>

<223> T7 spacer primer

<400> 2

ccgaattcta gggtaatacg 20

<210> 3
<211> 18
<212> DNA
<213> Artificial

<220>

<223> T7-R primer

<400> 3
ctcttggatc ctgcattt 18

<210> 4
<211> 42
<212> DNA
<213> Artificial

<220>
<223> T7-rPS2.M template

<400> 4
ggtaatacga ctcaactatag ggaagtgggt agggcgggtt gg 42

<210> 5
<211> 42
<212> DNA
<213> Artificial

<220>
<223> T7-rPS2.M complementary template

<400> 5
ccaacccggcc ctacccactt ccctatacg agtcgtatta cc 42

<210> 6
<211> 54
<212> DNA
<213> Artificial

<220>
<223> T7-rPS2.M Poly A comp template

<400> 6
ggtaatacga ctcaactatag ggaagtgggt agggcgggtt ggaaaaaaaaaaa aaaa 54

<210> 7
<211> 54
<212> DNA
<213> Artificial

<220>
<223> T7rPS2.M poly A complementary template

<400> 7
ttttttttt ttccaaacccg ccctacccgc ttccctatacg tgagtcttat tacc 54

<210> 8
<211> 18
<212> RNA
<213> Artificial

<220>
<223> rPS2.m

<400> 8
guggguaggg cggguugg 18

<210> 9
<211> 30
<212> RNA
<213> Artificial

<220>
<223> rPS2.M poly A

<400> 9
guggguaggg cggguuggaa aaaaaaaaaaa 30

<210> 10
<211> 47
<212> DNA
<213> Artificial

<220>
<223> T7-P22B top sequence

<400> 10
aattcggtaa tacgactcac tataggaaag gcgcgtgacaa agcgccg 47

<210> 11
<211> 47
<212> DNA
<213> Artificial

<220>
<223> T7-P22B bottom sequence

<400> 11
gatccggcgcc tttgtcagcg ccttcctat agtgagtcgt attacccg 47

<210> 12
<211> 20
<212> DNA
<213> Artificial

<220>
<223> amine modified first spacer P22B

<400> 12
aacgacggcc agtgaattcg 20

<210> 13
<211> 20

<212> DNA
<213> Artificial

<220>
<223> thio-modified first spacer-P22B

<400> 13
aacgacggcc agtgaattcg 20

<210> 14
<211> 20
<212> DNA
<213> Artificial

<220>
<223> second P22B primer

<400> 14
actctagagg atccggcgct 20

<210> 15
<211> 23
<212> DNA
<213> Artificial

<220>
<223> T7 promoter

<400> 15
taatacgact cactatagg aga 23

<210> 16
<211> 57
<212> DNA
<213> Artificial

<220>
<223> 5' stem loop and ribosome binding site

<400> 16
ccacaacggt ttcccaataa ttttgtctag atagagccct caaaaggagt ttgacat 57

<210> 17
<211> 6
<212> PRT
<213> Artificial

<220>
<223> HIS epitope tag

<400> 17
His His His His His His

<210> 18
<211> 10
<212> PRT
<213> Artificial

<220>
<223> c-Myc epitope tag

<400> 18

Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu
1 5 10

<210> 19
<211> 9
<212> PRT
<213> Artificial

<220>
<223> hemagglutinin epitope tag

<400> 19

Tyr Pro Tyr Asp Val Pro Asp Tyr Ala
1 5

<210> 20
<211> 11
<212> PRT
<213> Artificial

<220>
<223> VSV-G epitope tag

<400> 20

Tyr Thr Asp Ile Glu Met Asn Arg Leu Gly Lys
1 5 10

<210> 21
<211> 11
<212> PRT
<213> Artificial

<220>
<223> HSV epitope tag

<400> 21

Gln Pro Glu Leu Ala Pro Glu Asp Pro Glu Asp
1 5 10

<210> 22
<211> 14
<212> PRT
<213> Artificial

<220>
<223> V5 epitope tag

<400> 22

Gly Lys Pro Ile Pro Asn Pro Leu Leu Gly Leu Asp Ser Thr
1 5 10

<210> 23
<211> 9
<212> PRT
<213> Artificial

<220>
<223> FLAG epitope tag

<400> 23

Asp Tyr Lys Asp Asp Asp Asp Lys Gly
1 5

<210> 24
<211> 23
<212> DNA
<213> Artificial

<220>
<223> 3' stem loop

<400> 24

ccgcacaccca gtaagggtgtg cg 23

<210> 25
<211> 47
<212> DNA
<213> Artificial

<220>
<223> T7 terminator

<400> 25

caaaaaaccc ctcaagaccc gtttagaggc cccaagggtt tatgcta 47

<210> 26
<211> 10
<212> PRT

<213> Artificial

<220>

<223> water soluble 10-mer peptide

<400> 26

Cys Gly Gly Gly Ser Arg Tyr Asn His Asp

1 5 10

<210> 27

<211> 30

<212> DNA

<213> Artificial

<220>

<223> 30 bp recognition component

<400> 27

caggattagc agagcgagga aaaaacttaa 30

<210> 28

<211> 24

<212> DNA

<213> Artificial

<220>

<223> capture probe with 5' end biotinylated

<400> 28

ctcactcaaa ggcggttaata cggt 24